

SOURCE WATER ASSESSMENT SUMMARY

Highland Orchard Resort Park Well

Well Location	Town	Well Type	Source Water Area (acres)
Route 49	North Stonington	Dug	18

Factor	Source Water Assessment Ratings For This Well	Rating
I	Environmental Sensitivity	High
II	Potential Risk Factors	Low
Overall Susceptibility to Potential Sources of Contamination		Moderate
This rating is intended to indicate susceptibility to potential sources of contamination that may be in the wellfield source water area and does not necessarily imply poor water quality.		

Assessment Factors		Initial Assessment Findings	Recommendations for Enhanced Source Protection
I	Contaminants Detected in Source Water (between 12/99 and 12/02)	Nitrate >1mg/L	Maintain monitoring levels specified in the Connecticut Public Health Code Section 19-13-B102
I	General condition of well and related equipment	Observation of this well and well site suggests a need for structural improvements	Public water system should verify that the well is constructed and maintained according to State of CT Public Health Code Sections 19-13-B51c through j and notify the State Dept. of Public Health if improvements are needed
II	Number of DEP-inventoried Contaminant Release Points in Source Water Area	None	
II	Number of Potential Sources of Contamination in Source Water Area	None	
II	Land Use/Land Cover on the Well's Source Water Area (Based on Satellite Imagery developed by University of Conn.)	Commercial/Industrial 0.08% Residential 12.72% Agricultural 44.02% Open or Undeveloped 43.19%	Proactively work with local officials and developers to insure that only low risk development occurs within the source water area. Support and encourage the acquisition of open space land within the source water area.

General Recommendations For All Non-community Public Water Systems

Land Area Around Wellhead	Water system owner should provide information about the amount of land it owns or controls within a 200 foot radius around this well
Water System Source Protection Initiatives	Water system owner should provide information about basic practices employed to protect its drinking water sources
Local Government Source Protection Initiatives	Water system owner should support the development of local zoning or aquifer protection regulations to enhance the protection of public drinking water sources



Keeping Connecticut Healthy

*State of Connecticut Department of Public Health
Drinking Water Division*

410 Capitol Avenue – MS# 51WAT
P.O. Box 340308 Hartford, CT 06134
(860) 509-7333

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Well Location	Town	Well Type	Source Water Area (acres)
Route 49	North Stonington	Drilled	18

Factor	Source Water Assessment Ratings For This Well	Rating
I	Environmental Sensitivity	Low
II	Potential Risk Factors	Low
Overall Susceptibility to Potential Sources of Contamination		Low
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Assessment Factors	Initial Assessment Findings	Recommendations for Enhanced Source Protection
I Contaminants Detected in Source Water (between 12/99 and 12/02)	Nitrate >1mg/L	Maintain monitoring levels specified in the Connecticut Public Health Code Section 19-13-B102
I General condition of well and related equipment	Good	Maintain well and equipment according to best management practices
II Number of DEP-inventoried Contaminant Release Points in Source Water Area	None	
II Number of Potential Sources of Contamination in Source Water Area	None	
II Land Use/Land Cover on the Well's Source Water Area (Based on Satellite Imagery developed by University of Conn.)	Commercial/Industrial 0.00% Residential 34.77% Agricultural 38.95% Open or Undeveloped 26.28%	Proactively work with local officials and developers to insure that only low risk development occurs within the source water area. Support and encourage the acquisition of open space land within the source water area.

General Recommendations For All Non-community Public Water Systems

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Assessment Factors		Initial Assessment Findings	Recommendations for Enhanced Source Protection
I	Contaminants Detected in Source Water (between 12/99 and 12/02)	Nitrate >1mg/L	Maintain monitoring levels specified in the Connecticut Public Health Code Section 19-13-B102
I	General condition of well and related equipment	Observation of this well and well site suggests a need for structural improvements	Public water system should verify that the well is constructed and maintained according to State of CT Public Health Code Sections 19-13-B51c through j and notify the State Dept. of Public Health if improvements are needed
II	Number of DEP-inventoried Contaminant Release Points in Source Water Area	None	
II	Number of Potential Sources of Contamination in Source Water Area	None	
II	Land Use/Land Cover on the Well's Source Water Area (Based on Satellite Imagery developed by University of Conn.)	Commercial/Industrial 0.14% Residential 13.84% Agricultural 43.85% Open or Undeveloped 42.17%	Proactively work with local officials and developers to insure that only low risk development occurs within the source water area. Support and encourage the acquisition of open space land within the source water area.

General Recommendations For All Non-community Public Water Systems

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I	General condition of well and related equipment	Observation of this well and well site suggests a need for structural improvements	Public water system should verify that the well is constructed and maintained according to State of CT Public Health Code Sections 19-13-B51c through j and notify the State Dept. of Public Health if improvements are needed
II	Number of DEP-inventoried Contaminant Release Points in Source Water Area	None	
II	Number of Potential Sources of Contamination in Source Water Area	None	
II	Land Use/Land Cover on the Well's Source Water Area (Based on Satellite Imagery developed by University of Conn.)	Commercial/Industrial 0.04% Residential 14.30% Agricultural 42.10% Open or Undeveloped 43.57%	Proactively work with local officials and developers to insure that only low risk development occurs within the source water area. Support and encourage the acquisition of open space land within the source water area.

General Recommendations For All Non-community Public Water Systems

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